

7

DATE

7/7/01

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/462,671

DATE: 06/07/2001

TIME: 11:26:48

Input Set : A:\PTO.txt

Output Set: C:\CRF3\06072001\I462671.raw

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3 <110> APPLICANT: YLIHONKO, Kristiina
 4 HAKALA, Juha
 5 KUNNARI, Tero
 7 <120> TITLE OF INVENTION: HYBRID ANTHRACYCLINES FROM GENETICALLY ENGINEERED
 STREPTOMYCES GALILAEUS
 8 STRAINS
 10 <130> FILE REFERENCE: 1574/48472
 12 <140> CURRENT APPLICATION NUMBER: 09/462,671
 13 <141> CURRENT FILING DATE: 2000-01-11
 15 <160> NUMBER OF SEQ ID NOS: 2
 17 <170> SOFTWARE: PatentIn version 3.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 23
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Streptomyces lividans
 24 <400> SEQUENCE: 1
 25 acatgtccga acgcatcgtg ccg 23
 28 <210> SEQ ID NO: 2
 29 <211> LENGTH: 23
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Streptomyces lividans
 33 <400> SEQUENCE: 2
 34 agcagcgggc gggagagacg atg 23

VERIFICATION SUMMARY

DATE: 06/07/2001

PATENT APPLICATION: US/09/462,671

TIME: 11:26:49

Input Set : A:\PTO.txt

Output Set: C:\CRF3\06072001\I462671.raw

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/685,010

DATE: 06/07/2001
 TIME: 11:23:29

Input Set : A:\401c1.app.txt
 Output Set: C:\CRF3\06072001\I685010.raw

p.s

HS
 OIPE
 JMS
 7/7/01

ENTERED

4 <110> APPLICANT: Turley, Eva A.
 5 Cruz, Tony F.
 7 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
 8 CELLULAR RESPONSE TO INJURY AND OTHER PROLIFERATING CELL
 9 DISORDERS REGULATED BY HYALADHERIN AND HYALURONANS
 12 <130> FILE REFERENCE: 910130.401C1
 14 <140> CURRENT APPLICATION NUMBER: US 09/685,010
 C--> 15 <141> CURRENT FILING DATE: 2001-05-23
 17 <160> NUMBER OF SEQ ID NOS: 72
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 8
 23 <212> TYPE: PRT
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 27 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
 29 <221> NAME/KEY: VARIANT
 30 <222> LOCATION: (1)...(5)
 31 <223> OTHER INFORMATION: Xaa = any amino acid
 33 <221> NAME/KEY: HELIX
 34 <222> LOCATION: (1)...(5)
 35 <223> OTHER INFORMATION: Alpha-helix
 37 <221> NAME/KEY: VARIANT
 38 <222> LOCATION: (6)...(8)
 39 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
 41 <400> SEQUENCE: 1
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 43 1 5
 45 <210> SEQ ID NO: 2
 46 <211> LENGTH: 11
 47 <212> TYPE: PRT
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
 53 <221> NAME/KEY: VARIANT
 54 <222> LOCATION: (1)...(5)
 55 <223> OTHER INFORMATION: Xaa = any amino acid
 57 <221> NAME/KEY: HELIX
 58 <222> LOCATION: (1)...(5)
 59 <223> OTHER INFORMATION: Alpha-helix
 61 <221> NAME/KEY: VARIANT
 62 <222> LOCATION: (6)...(6)
 63 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
 65 <221> NAME/KEY: VARIANT
 66 <222> LOCATION: (7)...(7)
 67 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
 68 of I,L,V,Q,S

2

Input Set : A:\401c1.app.txt
Output Set: C:\CRF3\06072001\I685010.raw

70 <221> NAME/KEY: VARIANT
71 <222> LOCATION: (8)...(9)
72 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
74 <221> NAME/KEY: VARIANT
75 <222> LOCATION: (10)...(10)
76 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
77 of I,L,V,Q,S
79 <221> NAME/KEY: VARIANT
80 <222> LOCATION: (11)...(11)
81 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
83 <400> SEQUENCE: 2/
84 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
85 1 5 10
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 12
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
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96 <222> LOCATION: (1)...(5)
97 <223> OTHER INFORMATION: Xaa = any amino acid
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100 <222> LOCATION: (1)...(5)
101 <223> OTHER INFORMATION: Alpha-helix
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105 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
107 <221> NAME/KEY: VARIANT
108 <222> LOCATION: (7)...(7)
109 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
110 of I,L,V,Q,S
112 <221> NAME/KEY: VARIANT
113 <222> LOCATION: (8)...(8)
114 <223> OTHER INFORMATION: Xaa = Lysinse or Arginine
116 <221> NAME/KEY: VARIANT
117 <222> LOCATION: (9)...(9)
118 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
119 of I,L,V,Q,S
121 <221> NAME/KEY: VARIANT
122 <222> LOCATION: (10)...(12)
123 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
125 <400> SEQUENCE: 3
126 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
127 1 5 10
129 <210> SEQ ID NO: 4
130 <211> LENGTH: 10
131 <212> TYPE: PRT
132 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 06/07/2001

PATENT APPLICATION: US/09/685,010

TIME: 11:23:29

Input Set : A:\401c1.app.txt

Output Set: C:\CRF3\06072001\I685010.raw

134 <220> FEATURE:
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 138 <222> LOCATION: (1)...(5)
 139 <223> OTHER INFORMATION: Xaa = any amino acid
 141 <221> NAME/KEY: HELIX
 142 <222> LOCATION: (1)...(5)
 143 <223> OTHER INFORMATION: Alpha-helix
 145 <221> NAME/KEY: VARIANT
 146 <222> LOCATION: (6)...(6)
 147 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
 149 <221> NAME/KEY: VARIANT
 150 <222> LOCATION: (7)...(7)
 151 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
 152 of I,L,V,Q,S
 154 <221> NAME/KEY: VARIANT
 155 <222> LOCATION: (8)...(10)
 156 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
 158 <400> SEQUENCE: 4
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 160 1 5 10
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 163 <211> LENGTH: 9
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 165 <213> ORGANISM: Artificial Sequence
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 168 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
 170 <221> NAME/KEY: VARIANT
 171 <222> LOCATION: (1)...(5)
 172 <223> OTHER INFORMATION: Xaa = Any amino acid
 174 <221> NAME/KEY: HELIX
 175 <222> LOCATION: (1)...(5)
 176 <223> OTHER INFORMATION: Alpha-helix
 178 <221> NAME/KEY: VARIANT
 179 <222> LOCATION: (6)...(6)
 180 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
 182 <221> NAME/KEY: VARIANT
 183 <222> LOCATION: (7)...(7)
 184 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
 185 of I,L,V,Q,S
 187 <221> NAME/KEY: VARIANT
 188 <222> LOCATION: (8)...(9)
 189 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
 191 <400> SEQUENCE: 5
 WA-> 192 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 193 1 5
 195 <210> SEQ ID NO: 6
 196 <211> LENGTH: 7
 197 <212> TYPE: PRT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/685,010

DATE: 06/07/2001

TIME: 11:23:29

Input Set : A:\401c1.app.txt

Output Set: C:\CRF3\06072001\I685010.raw

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198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
203 <221> NAME/KEY: HELIX
204 <222> LOCATION: (1)...(5)
205 <223> OTHER INFORMATION: Alpha-helix
207 <400> SEQUENCE: 6
208 Met Met Thr Val Leu Lys Arg
209 1 5
211 <210> SEQ ID NO: 7
212 <211> LENGTH: 11
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
219 <221> NAME/KEY: HELIX
220 <222> LOCATION: (1)...(5)
221 <223> OTHER INFORMATION: Alpha-helix
223 <400> SEQUENCE: 7
224 Met Met Thr Val Leu Lys Val Lys Arg Leu Arg
225 1 5 10
227 <210> SEQ ID NO: 8
228 <211> LENGTH: 12
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
235 <221> NAME/KEY: HELIX
236 <222> LOCATION: (1)...(5)
237 <223> OTHER INFORMATION: Alpha-helix
239 <400> SEQUENCE: 8
240 Met Met Thr Val Leu Lys Val Lys Val Lys Arg Lys
241 1 5 10
243 <210> SEQ ID NO: 9
244 <211> LENGTH: 10
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
251 <221> NAME/KEY: HELIX
252 <222> LOCATION: (1)...(5)
253 <223> OTHER INFORMATION: Alpha-helix
255 <400> SEQUENCE: 9
256 Met Met Thr Val Leu Lys Val Arg Lys Arg
257 1 5 10
259 <210> SEQ ID NO: 10
260 <211> LENGTH: 9
261 <212> TYPE: PRT
262 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

DATE: 06/07/2001

PATENT APPLICATION: US/09/685,010

TIME: 11:23:29

Input Set : A:\401c1.app.txt

Output Set: C:\CRF3\06072001\I685010.raw

264 <220> FEATURE:
 265 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
 267 <221> NAME/KEY: HELIX
 268 <222> LOCATION: (1)...(5)
 269 <223> OTHER INFORMATION: Alpha-helix
 271 <400> SEQUENCE: 10
 272 Met Met Thr Val Leu Lys Val Arg Lys
 273 1 5
 275 <210> SEQ ID NO: 11
 276 <211> LENGTH: 13
 277 <212> TYPE: PRT
 278 <213> ORGANISM: Homo sapiens
 280 <400> SEQUENCE: 11
 281 Lys Leu Gln Ala Thr Gln Lys Pro Leu Thr Glu Ser Lys
 282 1 5 10
 284 <210> SEQ ID NO: 12
 285 <211> LENGTH: 12
 286 <212> TYPE: PRT
 287 <213> ORGANISM: Homo sapiens
 289 <400> SEQUENCE: 12
 290 Val Ser Ile Glu Lys Glu Lys Ile Asp Glu Lys Ser
 291 1 5 10
 293 <210> SEQ ID NO: 13
 294 <211> LENGTH: 6
 295 <212> TYPE: PRT
 296 <213> ORGANISM: Artificial Sequence
 298 <220> FEATURE:
 299 <223> OTHER INFORMATION: Peptide developed based upon the TAM domain
 300 (Transient Activator of MAP kinases)
 302 <221> NAME/KEY: VARIANT
 303 <222> LOCATION: (3)...(3)
 304 <223> OTHER INFORMATION: Xaa = Any amino acid
 306 <400> SEQUENCE: 13
 307 Val Ser Xaa Lys Glu Lys
 308 1 5
 310 <210> SEQ ID NO: 14
 311 <211> LENGTH: 23
 312 <212> TYPE: PRT
 313 <213> ORGANISM: Mus musculus
 315 <400> SEQUENCE: 14
 316 Lys Leu Gln Ala Thr Gln Lys Asp Leu Thr Glu Ser Lys Gly Lys Ile
 317 1 5 10 15
 318 Val Gln Leu Glu Gly Lys Leu
 319 20
 321 <210> SEQ ID NO: 15
 322 <211> LENGTH: 14
 323 <212> TYPE: PRT
 324 <213> ORGANISM: Mus musculus
 326 <400> SEQUENCE: 15

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 06/07/2001

PATENT APPLICATION: US/09/685,010

TIME: 11:23:30

Input Set : A:\401c1.app.txt

Output Set: C:\CRF3\06072001\I685010.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/637,054

DATE: 06/07/2001

TIME: 11:29:04

Input Set : A:\PTO.txt

Output Set: C:\CRF3\06072001\I637054.raw

ENTERED

3 <110> APPLICANT: Maroney, Anna
 4 Walton, Kevin M.
 5 Dionne, Craig A.
 6 Neff, Nicola
 7 Knight, Jr., Ernest
 8 Glicksman, Marcie A.

10 <120> TITLE OF INVENTION: Methods For Modulating Multiple Lineage Kinase Proteins And
 Screening

11 Compounds Which Modulate Lineage Kinase Proteins

13 <130> FILE REFERENCE: CEPH-1235

15 <140> CURRENT APPLICATION NUMBER: 09/637,054

16 <141> CURRENT FILING DATE: 2000-08-11

18 <160> NUMBER OF SEQ ID NOS: 18

20 <170> SOFTWARE: PatentIn version 3.0

22 <210> SEQ ID NO: 1

23 <211> LENGTH: 17

24 <212> TYPE: PRT

25 <213> ORGANISM: Homo sapiens

27 <400> SEQUENCE: 1

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 30 1 5 10 15

32 Thr

35 <210> SEQ ID NO: 2

36 <211> LENGTH: 23

37 <212> TYPE: PRT

38 <213> ORGANISM: Homo sapiens

40 <400> SEQUENCE: 2

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45 Ala Ser Ala Cys Arg Thr Cys
 46 20

48 <210> SEQ ID NO: 3

49 <211> LENGTH: 33

50 <212> TYPE: PRT

51 <213> ORGANISM: Homo sapiens

53 <400> SEQUENCE: 3

55 Cys Gly Gly Ala Thr Cys Cys Arg Thr Ile Cys Ala Tyr Met Gly Ile
 56 1 5 10 15

58 Gly Ala Tyr Tyr Thr Ile Gly Cys Ile Gly Cys Ile Met Gly Ile Ala
 59 20 25 30

61 Ala

64 <210> SEQ ID NO: 4

65 <211> LENGTH: 30

66 <212> TYPE: PRT

67 <213> ORGANISM: Homo sapiens

69 <400> SEQUENCE: 4

71 Gly Gly Ala Ala Thr Thr Ile Ala Tyr Ile Gly Gly Ala Trp Ala Ile
 72 1 5 10 15

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/637,054

DATE: 06/07/2001

TIME: 11:29:04

Input Set : A:\PTO.txt

Output Set: C:\CRF3\06072001\I637054.raw

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151 <210> SEQ ID NO: 13
152 <211> LENGTH: 8
153 <212> TYPE: PRT
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 13
158 Asp Tyr Lys Asp Asp Asp Asp Lys
159 1 5
161 <210> SEQ ID NO: 14
162 <211> LENGTH: 69
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 14
167 ataaagcttc cagaggccat ggactacaag gacgacgatg acaaggcctg cctccatgaa 60
169 acccgaaca 69
172 <210> SEQ ID NO: 15
173 <211> LENGTH: 18
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapiens
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178 gacagggcgg ccggtctt 18
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182 <211> LENGTH: 583
183 <212> TYPE: DNA
184 <213> ORGANISM: Homo sapiens
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187 gaattcggca cgagaggact cgcaggtgtc cggcgacgag ggctggtgga ccgggcagct 60
189 gaaccagcgg gtgggcatct tccccagcaa ctacgtgacc ccgcgcagcg ccttctccag 120
191 ccgctgccag cccggcggcg aggaccccag ttgctaccg cccattcagt tgtagaaat 180
193 tgattttgcg gagctcacct tggaagagat tattggcatc gggggctttg ggaaggctta 240
195 tcgtgctttc tggatagggg atgaggttgc tgtgaaagca gctcgccacg accctgatga 300
197 ggacatcagc cagaccatag agaatgttcg ccaagaggcc aagctcttcg ccatgctgaa 360
199 gcaccccaac atcattgccc taagaggggt atgtctgaag gagcccaacc tctgcttggt 420
201 catggagttt gctcgtggag gacctttgaa tagagtgtta tctgggaaaa ggattcccc 480
203 agacatcctg gtgaattggg ctgtgcagat tgccagaggg atgaactact tacatgatga 540
205 ggcaattgtt cccatcatcc accgcgaect taagtccagc aac 583
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 194
210 <212> TYPE: PRT
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 17
215 Asn Ser Ala Arg Glu Asp Ser Gln Val Ser Gly Asp Glu Gly Trp Trp
216 1 5 10 15
218 Thr Gly Gln Leu Asn Gln Arg Val Gly Ile Phe Pro Ser Asn Tyr Val
219 20 25 30
221 Thr Pro Arg Ser Ala Phe Ser Ser Arg Cys Gln Pro Gly Gly Glu Asp
222 35 40 45

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RAW SEQUENCE LISTING

DATE: 06/07/2001

PATENT APPLICATION: US/09/637,054

TIME: 11:29:04

Input Set : A:\PTO.txt

Output Set: C:\CRF3\06072001\I637054.raw

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227 Leu Thr Leu Glu Glu Ile Ile Gly Ile Gly Gly Phe Gly Lys Val Tyr
228 65                      70                      75                      80
230 Arg Ala Phe Trp Ile Gly Asp Glu Val Ala Val Lys Ala Ala Arg His
231                      85                      90                      95
233 Asp Pro Asp Glu Asp Ile Ser Gln Thr Ile Glu Asn Val Arg Gln Glu
234                      100                      105                      110
236 Ala Lys Leu Phe Ala Met Leu Lys His Pro Asn Ile Ile Ala Leu Arg
237                      115                      120                      125
239 Gly Val Cys Leu Lys Glu Pro Asn Leu Cys Leu Val Met Glu Phe Ala
240                      130                      135                      140
242 Arg Gly Gly Pro Leu Asn Arg Val Leu Ser Gly Lys Arg Ile Pro Pro
243 145                      150                      155                      160
245 Asp Ile Leu Val Asn Trp Ala Val Gln Ile Ala Arg Gly Met Asn Tyr
246                      165                      170                      175
248 Leu His Asp Glu Ala Ile Val Pro Ile Ile His Arg Asp Leu Lys Ser
249                      180                      185                      190
251 Ser Asn
254 <210> SEQ ID NO: 18
255 <211> LENGTH: 10
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 18
261 Asn Asp Tyr Lys Asp Asp Asp Asp Lys Cys
262 1                      5                      10

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/637,054

DATE: 06/07/2001

TIME: 11:29:05

Input Set : A:\PTO.txt

Output Set: C:\CRF3\06072001\I637054.raw



Creation date: 11-17-2003
Indexing Officer: KKHAMBAY - KHOUTHONG KHAMBAY
Team: OIPEBackFileIndexing
Dossier: 09685010

Legal Date: 11-07-2001

No.	Doccode	Number of pages
1	PA..	3

Total number of pages: 3

Remarks:

Order of re-scan issued on